

Appl. No. 10/001,894
Amdt. dated February 7, 2005
Reply to Office Action of October 6, 2004

PATENT

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. (original) A computer-implemented method of using a paper document to retrieve multimedia information stored in a multimedia document in electronic form, wherein one or more user-selectable identifiers are printed on the paper document, the method comprising:
 - receiving a first signal indicating selection of a first user-selectable identifier from the one or more user-selectable identifiers printed on the paper document;
 - responsive to receiving the first signal, identifying a portion of multimedia information stored by the multimedia document corresponding to the first user-selectable identifier; and
 - outputting the portion of the multimedia information corresponding to the first user-selectable identifier using an output device.
2. (original) The method of claim 1 wherein the first signal comprises information identifying the output device.
3. (original) The method of claim 1 wherein:
 - the first signal comprises information indicating a playback mode for outputting the portion of the multimedia information corresponding to the first user-selectable identifier; and
 - outputting the portion of the multimedia information using the output device comprises outputting the information according to the playback mode.
4. (original) The method of claim 1 wherein the one or more user-selectable identifiers include one or more barcodes printed on the paper document.
5. (original) The method of claim 1 wherein identifying the portion of multimedia information stored by the multimedia document corresponding to the first user-selectable identifier comprises:

Appl. No. 10/001,894
Amdt. dated February 7, 2005
Reply to Office Action of October 6, 2004

PATENT

determining a first time and a second time corresponding to the first user-selectable identifier; and

including a portion of the multimedia information stored by the multimedia document occurring between the first time and the second time in the portion of multimedia information corresponding to the first user-selectable identifier.

6. (original) The method of claim 1 wherein identifying the portion of multimedia information stored by the multimedia document corresponding to the first user-selectable identifier comprises:

determining a first time corresponding to the first user-selectable identifier; and
including a portion of the multimedia information stored by the multimedia document occurring from the first time in the portion of multimedia information corresponding to the first user-selectable identifier.

7. (original) The method of claim 1 wherein one or more control codes are printed on the paper document, the method further comprising:

receiving a second signal indicating selection of a first control code from the one or more control codes printed on the paper document; and
responsive to receiving the second signal, controlling the output of the portion of the multimedia information corresponding to the first user-selectable identifier based upon the control code.

8. (original) A method of using a paper document to access multimedia information stored in a multimedia document in electronic form, wherein one or more user-selectable identifiers are printed on the paper document, the method comprising:

selecting a first user-selectable identifier from the one or more user-selectable identifiers printed on the paper document;
requesting multimedia information corresponding to the first user-selectable identifier; and
outputting a portion of the multimedia information stored by the multimedia document corresponding to the first user-selectable identifier using an output device.

9. (original) The method of claim 8 wherein:

Appl. No. 10/001,894
Amdt. dated February 7, 2005
Reply to Office Action of October 6, 2004

PATENT

the one or more user-selectable identifiers correspond to one or more barcodes printed on the paper document; and

selecting the first user-selectable identifier comprises scanning a first barcode from the one or more barcodes printed on the paper document using a selection device.

10. (original) The method of claim 8 wherein:

the first user-selectable identifier is associated with a first time and a second time;

and

outputting the portion of the multimedia information corresponding to the first user-selectable identifier using the output device comprises outputting a portion of the multimedia information stored by the multimedia document occurring between the first time and the second time.

11. (original) The method of claim 8 wherein:

the first user-selectable identifier is associated with a first time; and

outputting the portion of the multimedia information corresponding to the first user-selectable identifier using the output device comprises outputting a portion of the multimedia information stored by the multimedia document occurring from the first time.

12. (original) The method of claim 8 wherein one or more control codes

are printed on the paper document, the method further comprising:

selecting a first control code from the one or more control codes printed on the paper document; and

modifying the output of the portion of the multimedia information corresponding to the first user-selectable identifier based upon the control code.

13. (original) A computer-implemented method of using a paper

document to retrieve multimedia information stored electronically in a multimedia document, wherein a first plurality of user-selectable identifiers are printed on the paper document, the method comprising:

receiving a signal indicating selection of a second plurality of user-selectable identifiers from the first plurality of user-selectable identifiers printed on the paper document,

Appl. No. 10/001,894
Amdt. dated February 7, 2005
Reply to Office Action of October 6, 2004

PATENT

wherein the second plurality of user-selectable identifiers is a subset of the first plurality of user-selectable identifiers;

responsive to receiving the first signal, identifying portions of multimedia information stored by the multimedia document corresponding to the second plurality of user-selectable identifiers; and

outputting the portions of the multimedia information corresponding to the second plurality of user-selectable identifiers using an output device.

14. (original) The method of claim 13 wherein identifying portions of multimedia information stored by the multimedia document corresponding to the second plurality of user-selectable identifiers comprises:

for each user-selectable identifier in the second plurality of user-selectable identifiers:

determining a first time and a second time corresponding to the user-selectable identifier; and

including multimedia information stored by the multimedia document occurring between the first time and the second time corresponding to the user-selectable identifier in the portions of multimedia information corresponding to the second plurality of user-selectable identifiers.

15. (original) A computer-implemented method of retrieving multimedia information using a first paper document and a second paper document, wherein one or more user-selectable identifiers are printed on the first paper document and one or more user-selectable identifiers are printed on the second paper document, the method comprising:

receiving a signal indicating selection of a first user-selectable identifier from the one or more user-selectable identifiers printed on the first paper document, and indicating selection of a second user-selectable identifier from the one or more user-selectable identifiers printed on the second paper document;

identifying a portion of multimedia information corresponding to the first user-selectable identifier from multimedia information stored by a first multimedia document;

identifying a portion of multimedia information corresponding to the second user-selectable identifier from multimedia information stored by a second multimedia document; and

Appl. No. 10/001,894
Amdt. dated February 7, 2005
Reply to Office Action of October 6, 2004

PATENT

outputting the portion of multimedia information stored by the first multimedia document corresponding to the first user-selectable identifier and the portion of multimedia information stored by the second multimedia document corresponding to the second user-selectable identifier using an output device.

16. (original) The method of claim 15 wherein:

identifying the portion of multimedia information corresponding to the first user-selectable identifier from multimedia information stored by the first multimedia document comprises:

determining a first time and a second time associated with the first user-selectable identifier; and

including a portion of multimedia information stored by the first multimedia document occurring between the first time and the second time associated with the first user-selectable identifier in the portion of multimedia information corresponding to the first user-selectable identifier; and

identifying the portion of multimedia information corresponding to the second user-selectable identifier from multimedia information stored by the second multimedia document comprises:

determining a first time and a second time associated with the second user-selectable identifier; and

including a portion of multimedia information stored by the second multimedia document occurring between the first time and the second time associated with the second user-selectable identifier in the portion of multimedia information corresponding to the second user-selectable identifier.

17. (original) A system for using a paper document to retrieve

multimedia information stored in a multimedia document in electronic form, wherein one or more user-selectable identifiers are printed on the paper document, the system comprising:

an output device; and

a data processor;

wherein the data processor is configured to:

Appl. No. 10/001,894
Amdt. dated February 7, 2005
Reply to Office Action of October 6, 2004

PATENT

receive a first signal indicating selection of a first user-selectable identifier from the one or more user-selectable identifiers printed on the paper document;

identify a portion of multimedia information stored by the multimedia document corresponding to the first user-selectable identifier; and

communicate the portion of the multimedia information corresponding to the first user-selectable identifier to the output device; and

wherein the output device is configured to output the portion of the multimedia information corresponding to the first user-selectable identifier received from the data processor.

18. (original) The system of claim 17 wherein the first signal comprises information identifying the output device.

19. (original) The system of claim 17 wherein:
the first signal comprises information indicating a playback mode for outputting the portion of the multimedia information corresponding to the first user-selectable identifier;
and

the output device is configured to output the portion of the multimedia information according to the playback mode.

20. (original) The system of claim 17 wherein the one or more user-selectable identifiers includes barcodes printed on the paper document.

21. (original) The system of claim 17 wherein in order to identify the portion of multimedia information stored by the multimedia document corresponding to the first user-selectable identifier, the data processor is configured to:

determine a first time and a second time corresponding to the first user-selectable identifier; and

include a portion of the multimedia information stored by the multimedia document occurring between the first time and the second time in the portion of multimedia information corresponding to the first user-selectable identifier.

Appl. No. 10/001,894
Amdt. dated February 7, 2005
Reply to Office Action of October 6, 2004

PATENT

22. (original) The system of claim 17 wherein in order to identify the portion of multimedia information stored by the multimedia document corresponding to the first user-selectable identifier, the data processor is configured to:

determine a first time corresponding to the first user-selectable identifier; and
include a portion of the multimedia information stored by the multimedia document occurring from the first time in the portion of multimedia information corresponding to the first user-selectable identifier.

23. (original) The system of claim 17 wherein one or more control codes are printed on the paper document, and the data processor is configured to:

receive a second signal indicating selection of a first control code from the one or more control codes printed on the paper document; and

control the output of the portion of the multimedia information corresponding to the first user-selectable identifier based upon the control code.

24. (original) A system for using a paper document to access multimedia information stored in a multimedia document in electronic form, wherein one or more user-selectable identifiers are printed on the paper document, the system comprising:

a processor; and

a memory coupled to the processor, the memory configured to store a plurality of code modules for execution by the processor, the plurality of code modules comprising:

a code module for selecting a first user-selectable identifier from the one or more user-selectable identifiers printed on the paper document;

a code module for requesting multimedia information corresponding to the first user-selectable identifier; and

a code module for outputting a portion of the multimedia information stored by the multimedia document corresponding to the first user-selectable identifier using an output device.

25. (original) The system of claim 24 wherein:
the one or more user-selectable identifiers correspond to one or more barcodes printed on the paper document; and

Appl. No. 10/001,894
Amdt. dated February 7, 2005
Reply to Office Action of October 6, 2004

PATENT

the code module for selecting the first user-selectable identifier comprises a code module for scanning a first barcode from the one or more barcodes printed on the paper document using a selection device.

26. (original) The system of claim 24 wherein:
the first user-selectable identifier is associated with a first time and a second time;
and

the code module for outputting the portion of the multimedia information corresponding to the first user-selectable identifier using the output device comprises a code module for outputting a portion of the multimedia information stored by the multimedia document occurring between the first time and the second time.

27. (original) The system of claim 24 wherein:
the first user-selectable identifier is associated with a first time; and
the code module for outputting the portion of the multimedia information corresponding to the first user-selectable identifier using the output device comprises a code module for outputting a portion of the multimedia information stored by the multimedia document occurring from the first time.

28. (original) The system of claim 24 wherein one or more control codes are printed on the paper document, the plurality of code modules further comprising:
a code module for selecting a first control code from the one or more control codes printed on the paper document; and
a code module for modifying the output of the portion of the multimedia information corresponding to the first user-selectable identifier based upon the control code.

29. (original) A system for using a paper document to retrieve multimedia information stored electronically in a multimedia document, wherein a first plurality of user-selectable identifiers are printed on the paper document, the system comprising:
an output device; and
a data processor;
wherein the data processor is configured to:

Appl. No. 10/001,894
Amdt. dated February 7, 2005
Reply to Office Action of October 6, 2004

PATENT

receive a signal indicating selection of a second plurality of user-selectable identifiers from the first plurality of user-selectable identifiers printed on the paper document, wherein the second plurality of user-selectable identifiers is a subset of the first plurality of user-selectable identifiers;

identify portions of multimedia information stored by the multimedia document corresponding to the second plurality of user-selectable identifiers; and

communicate the portions of the multimedia information of the multimedia document corresponding to the second plurality of user-selectable identifiers to the output device; and

wherein the output device is configured to output the portions of the multimedia information corresponding to the second plurality of user-selectable identifiers received from the data processor.

30. (original) The system of claim 29 wherein in order to identify portions of multimedia information stored by the multimedia document corresponding to the second plurality of user-selectable identifiers, the data processor is configured to:

for each user-selectable identifier in the second plurality of user-selectable identifiers:

determine a first time and a second time corresponding to the user-selectable identifier; and

include multimedia information stored by the multimedia document occurring between the first time and the second time corresponding to the user-selectable identifier in the portions of multimedia information corresponding to the second plurality of user-selectable identifiers.

31. (currently amended) A system for retrieving multimedia information using a first paper document and a second paper document, wherein one or more user-selectable identifiers are printed on the first paper document and one or more user-selectable identifiers are printed on the second paper document, the system comprising:

an output device; and

a data processor;

wherein the data processor is configured to:

Appl. No. 10/001,894
Amdt. dated February 7, 2005
Reply to Office Action of October 6, 2004

PATENT

receive a signal indicating selection of a first user-selectable identifier from the one or more user-selectable identifiers printed on the first paper document, and indicating selection of a second user-selectable identifier from the one or more user-selectable identifiers printed on the second paper document;

identify a portion of multimedia information corresponding to the first user-selectable identifier from multimedia information stored by a first multimedia document;

identify a portion of multimedia information corresponding to the second user-selectable identifier from multimedia information stored by a second multimedia document;
and

communicate the portion of multimedia information stored by the first multimedia document corresponding to the first user-selectable identifier and the portion of multimedia information stored by the second multimedia document corresponding to the ~~first user-selectable identifier~~ second user-selectable identifier to the output device; and

wherein the output device is configured to output the portion of multimedia information corresponding to the first user-selectable identifier and the portion of multimedia information corresponding to the second user-selectable identifier received from the data processor.

32. (original) The system of claim 31 wherein:

the data processor identifies the portion of multimedia information corresponding to the first user-selectable identifier from multimedia information stored by the first multimedia document by:

determining a first time and a second time associated with the first user-selectable identifier; and

including a portion of multimedia information stored by the first multimedia document occurring between the first time and the second time associated with the first user-selectable identifier in the portion of multimedia information corresponding to the first user-selectable identifier; and

the data processor identifies the portion of multimedia information corresponding to the second user-selectable identifier from multimedia information stored by the second multimedia document by:

Appl. No. 10/001,894
Amdt. dated February 7, 2005
Reply to Office Action of October 6, 2004

PATENT

determining a first time and a second time associated with the second user-selectable identifier; and

including a portion of multimedia information stored by the second multimedia document occurring between the first time and the second time associated with the second user-selectable identifier in the portion of multimedia information corresponding to the second user-selectable identifier.

33. (original) A computer program product stored on a computer-readable storage medium for using a paper document to retrieve multimedia information stored in a multimedia document in electronic form, wherein one or more user-selectable identifiers are printed on the paper document, the computer program product comprising:

code for receiving a first signal indicating selection of a first user-selectable identifier from the one or more user-selectable identifiers printed on the paper document;

code for identifying a portion of multimedia information stored by the multimedia document corresponding to the first user-selectable identifier; and

code for outputting the portion of the multimedia information using an output device.

34. (original) The computer program product of claim 33 wherein the code for identifying the portion of multimedia information stored by the multimedia document corresponding to the first user-selectable identifier comprises:

code for determining a first time and a second time corresponding to the first user-selectable identifier; and

code for including a portion of the multimedia information stored by the multimedia document occurring between the first time and the second time in the portion of multimedia information corresponding to the first user-selectable identifier.

35. (original) The computer program product of claim 33 wherein the code for identifying the portion of multimedia information stored by the multimedia document corresponding to the first user-selectable identifier comprises:

code for determining a first time corresponding to the first user-selectable identifier; and

Appl. No. 10/001,894
Amdt. dated February 7, 2005
Reply to Office Action of October 6, 2004

PATENT

code for including a portion of the multimedia information stored by the multimedia document occurring from the first time in the portion of multimedia information corresponding to the first user-selectable identifier.

36. (original) The computer program product of claim 33 wherein one or more control codes are printed on the paper document, the computer program product further comprising:

code for receiving a second signal indicating selection of a first control code from the one or more control codes printed on the paper document; and

code for controlling the output of the portion of the multimedia information corresponding to the first user-selectable identifier based upon the control code.

37. (original) A computer program product stored on a computer-readable storage medium for using a paper document to access multimedia information stored in a multimedia document in electronic form, wherein one or more user-selectable identifiers are printed on the paper document, the computer program product comprising:

code for selecting a first user-selectable identifier from the one or more user-selectable identifiers printed on the paper document;

code for requesting multimedia information corresponding to the first user-selectable identifier; and

code for outputting a portion of the multimedia information stored by the multimedia document corresponding to the first user-selectable identifier using an output device.

38. (original) The computer program product of claim 37 wherein:
the one or more user-selectable identifiers correspond to one or more barcodes printed on the paper document; and

the code for selecting the first user-selectable identifier comprises code for scanning a first barcode from the one or more barcodes printed on the paper document using a selection device.

39. (original) The computer program product of claim 37 wherein:
the first user-selectable identifier is associated with a first time and a second time;
and

Appl. No. 10/001,894
Amdt. dated February 7, 2005
Reply to Office Action of October 6, 2004

PATENT

the code for outputting the portion of the multimedia information corresponding to the first user-selectable identifier using the output device comprises code for outputting a portion of the multimedia information stored by the multimedia document occurring between the first time and the second time.

40. (original) The computer program product of claim 37 wherein:
the first user-selectable identifier is associated with a first time; and
the code for outputting the portion of the multimedia information corresponding to the first user-selectable identifier using the output device comprises code for outputting a portion of the multimedia information stored by the multimedia document occurring from the first time.

41. (original) The computer program product of claim 37 wherein one or more control codes are printed on the paper document, the computer program product further comprising:

code for selecting a first control code from the one or more control codes printed on the paper document; and

code for modifying the output of the portion of the multimedia information corresponding to the first user-selectable identifier based upon the control code.

42. (original) A computer program product stored on a computer-readable storage medium for using a paper document to retrieve multimedia information stored electronically in a multimedia document, wherein a first plurality of user-selectable identifiers are printed on the paper document, the computer program product comprising:

code for receiving a signal indicating selection of a second plurality of user-selectable identifiers from the first plurality of user-selectable identifiers printed on the paper document, wherein the second plurality of user-selectable identifiers is a subset of the first plurality of user-selectable identifiers;

code for responsive to receiving the first signal, identifying portions of multimedia information stored by the multimedia document corresponding to the second plurality of user-selectable identifiers; and

code for outputting the portions of the multimedia information corresponding to the second plurality of user-selectable identifiers using an output device.

Appl. No. 10/001,894
Amdt. dated February 7, 2005
Reply to Office Action of October 6, 2004

PATENT

43. (original) The computer program product of claim 42 wherein the code for identifying portions of multimedia information stored by the multimedia document corresponding to the second plurality of user-selectable identifiers comprises:

for each user-selectable identifier in the second plurality of user-selectable identifiers:

code for determining a first time and a second time corresponding to the user-selectable identifier; and

code for including multimedia information stored by the multimedia document occurring between the first time and the second time corresponding to the user-selectable identifier in the portions of multimedia information corresponding to the second plurality of user-selectable identifiers.

44. (original) A computer program product stored on a computer-readable storage medium for retrieving multimedia information using a first paper document and a second paper document, wherein one or more user-selectable identifiers are printed on the first paper document and one or more user-selectable identifiers are printed on the second paper document, the computer program product comprising:

code for receiving a signal indicating selection of a first user-selectable identifier from the one or more user-selectable identifiers printed on the first paper document, and indicating selection of a second user-selectable identifier from the one or more user-selectable identifiers printed on the second paper document;

code for identifying a portion of multimedia information corresponding to the first user-selectable identifier from multimedia information stored by a first multimedia document;

code for identifying a portion of multimedia information corresponding to the second user-selectable identifier from multimedia information stored by a second multimedia document; and

code for outputting the portion of multimedia information stored by the first multimedia document corresponding to the first user-selectable identifier and the portion of multimedia information stored by the second multimedia document corresponding to the second user-selectable identifier using an output device.

45. (original) The computer program product of claim 44 wherein:

Appl. No. 10/001,894
Amdt. dated February 7, 2005
Reply to Office Action of October 6, 2004

PATENT

the code for identifying the portion of multimedia information corresponding to the first user-selectable identifier from multimedia information stored by the first multimedia document comprises:

code for determining a first time and a second time associated with the first user-selectable identifier; and

code for including a portion of multimedia information stored by the first multimedia document occurring between the first time and the second time associated with the first user-selectable identifier in the portion of multimedia information corresponding to the first user-selectable identifier; and

the code for identifying the portion of multimedia information corresponding to the second user-selectable identifier from multimedia information stored by the second multimedia document comprises:

code for determining a first time and a second time associated with the second user-selectable identifier; and

code for including a portion of multimedia information stored by the second multimedia document occurring between the first time and the second time associated with the second user-selectable identifier in the portion of multimedia information corresponding to the second user-selectable identifier.